BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Roads and Drains at kattigenahalli Ambedakarnagara and Surrounding area in Ward no. 05

									Estimate Cost Rs.	3000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	cum							
	Desilting of Drain								
	lakshman House Road kogilu		2	135.00	0.40	0.35	37.80		
	For Road Suface								
	lakshman House Road Kogilu		1	135.00	6.50	0.20	175.50		
	Kattigenahalli Ambedakar SC Colony		1	36.00	5.00	0.20	36.00		
							249.30	86.92	**21669.00**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
2	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.2/ PWD SR 2015-16	Cum	ordinary soil					86.92	2847.49
	Culverts		2	6.50	2.10	1.20	32.76		
							32.76	115.56	**3786.00**
	Basic Rate	107.00	82						
	Area Weightage @ 8%	8.56	4.92						
	Total	**115.56**	86.92						
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	**Cum**							
	lakshman House Road Kogilu		1	135.00	6.50	0.15	131.63		
	Kattigenahalli Ambedakar SC Colony		1	36.00	5.00	0.15	27.00		
	Culverts		2	6.50	2.10	0.15	4.10		
	Anjinappa house Road		1	35.00	3.00	0.15	15.75		
							178.47	5159.02	**920730.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
4	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	cum							
	Culverts		2X2	6.50	0.60	0.45	7.02		
							7.02	4438.22	**31156.00**
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							
5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	**Sqm**							
	Culverts		2X2	6.50	0.50	0.45	5.85		
							5.85	**5305.30**	**31036.00**
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	**5305.30**							
6	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	**Sqm**							
	Culverts		2	6.50	0.60		7.80		
	For Sides		2X2	6.50	0.23		5.98		
			2X2	1.65	0.23		1.52		
							15.30	**271.36**	**4151.00**
	Basic Rate	**256.00**							
	Area Weightage @ 6%	15.36							
	Total	**271.36**							
7	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	**cum**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Culverts		2X2	6.50	0.50	0.10	1.30		
	Vent Bed		2	6.50	0.60	0.10	0.78		
							2.08	5598.92	**11646.00**
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	**5598.92**							
8	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17	Sqm							
	Culverts		2X2	6.50		0.50	13.00		
							13.00	102.82	**1337.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
9	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	Culverts		2	6.50	1.80	0.23	5.38		
							5.38	6371.66	**34292.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
10	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	**Qtl**							
	0.80Ton/Cum		0.080	5.38			**0.43**	59413.00	**25581.00**
	Basic Rate	56050.00							
	Area Weightage @ 6%	3363.00							
	Total	**59413.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
11	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.18/ PWD SR 2015-16	Cum							
	lakshman House Road		1	135.00	6.50	0.10	87.75		
	Kattigenahalli Ambedakar SC Colony		1	36.00	5.00	0.10	18.00		
	Anjinappa house Road		1	35.00	3.00	0.10	10.50		
							116.25	6332.04	**736100.00**
	Basic Rate	5863.00							
	Area Weightage @ 8%	469.04							
	Total	**6332.04**							
12	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							
	lakshman House Road		25	6.50			162.50		
			10	5.00			50.00		
	Anjinappa House Road		7	3.00			21.00		
							233.50	138.24	**32279.00**
	Basic Rate	128.00							
	Area Weightage @ 8%	10.24							
	Total	**138.24**							
13	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm							
	lakshman House Road		1	135.00	6.50		877.50		
			1	36.00	5.00		180.00		
	Anjinappa House Road		1	35.00	3.00		105.00		
							1162.50	**97.20**	**112995.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
14	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm		120.00			216.00		
	lakshman House Road		2	135.00	0.90		243.00		
	For Front of Krishna Temple Agrahara main Raod Entrance		1	171.00	0.90		153.90		
	For Anjinappa House Raod		1	16.00	0.90		14.40		+13518.00
							411.30	1856.67	**763648.00**
	Data Rate	**1856.67**					384.30		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1+2				282.06		
							282.06	73.12	20624.00
	Basic Rate Lead Charges Upto 2.00 Kms	5.12							
	PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							
	Total	73.12							
	(3% KRIDL Charges + 4. labour cess + Applicable GST)						Grand Total		2563444.00
16	For 17% KRIDL Charges ≃ 11%								435785.00
17	Miscesallaneous Charges	L/S							771.00
									3000000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 05(Jakkur)

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
12/09

ADMINISTRATIVE APPROVAL
Accorded For Thirty lakhs only
Head of A/C P-1878
Div. Rdo 14/17-18 Date 12/09/17
AE 12/09 EE(BTP) 12/09

Technical Sanction
Accorded For 30.00 lakhs Rs
Head of A/C P1878
CER NO : 187 Dt: 27/09/17
TA CE (YNK)